

25X1



PAR 211

24 Dec 64

SUBJECT: Microdensitometer Study of Effects of Processing

TASK/PROBLEM

1. Collect and study microdensitometric data from mission materials in an attempt to determine the effect of film emulsions, processing, and printing on the characteristics of image edges. Also, attempt to determine true location of image edges for mensuration purposes.

DISCUSSION

2. There was limited activity during December.
3. Collection and processing of data continued for the following:
 - a. Resolution.
 - b. Acutance.
 - c. Modulation Transfer.
 - d. Graininess.
4. Literature references were sought chiefly in the area of edge trace measurement at the limit of resolution. Progress with this difficult problem is still only partial.
5. Estimates were completed for the extent of added scope on this project per the customer directed interest expressed in November. The items were:
 - a. PAR Supplement No. 1: Use of medium contrast (6.3:1) in resolution measurement.
 - b. PAR Supplement No. 2: Use of larger scales for aerial scene simulations.

PLANNED ACTIVITIES

6. Prepare and submit rough drafts of briefing aids.
7. Continue mensuration studies.

Declass Review by NGA.

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GROUP 1
Excluded from automatic downgrading and declassification

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